

RODIONOV, N. S., Candidate Tech Sci (diss) -- "Investigation of the conditions for the useful application of small-dimension bore holes in horizontal prospecting work". Moscow, 1959. 16 pp (Min Higher Educ USSR, Moscow Geological-Prospecting Inst im S. Ordzhonikidze), 110 copies (KL, No 25, 1959, 135)

RODIONOV, N.S.

Results of small hole drilling. Trudy MGRI 34:63-69 '59.

(MIRA 13:12)

(Boring)

GALYBIN, N.A.; RODIONOV, M.S.; TSVETKOV, B.I., inzhener; KOLOTUSHKIN, V.I.,
redaktor; BORISOV, A.S., tekhnicheskiiy redaktor

[Concise manual on peat winning and the technology of briquetting]
Kratkoe rukovodstvo po dobyche torfa i tekhnologii briketirovaniia.
Moskva, Gos. izd-vo mestnoi promyshl. RSFSR, 1956. 258 p. (MIRA 10:1)
(Peat) (Briquets (Fuel))

AUTHOR: Rodionov, N.S. SOV-132-58-9-6/18

TITLE: Some Results of the Experimental Drilling of Blast-Holes With Bits of a Reduced Diameter (O nekotorykh rezul'tatakh opyt-nykh rabot pri burenii shpurov koronkami umen'shennogo diametra)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 9, pp 22-25 (USSR)

ABSTRACT: MGRI carried out experimental drillings of blast-holes with the perforators PA-23, PM-508 and T-10C (the last one of the Finnish firm "Tampella") to determine the influence of the characteristic properties (Table 1) of these perforators and of the diameter of the blast-holes on their drilling speed. From the study of 400 drilling operations it was found (Table 2) that this speed depends on the diameter of blast-holes and on the power of the perforators. A detailed description of the experiments is given. The drilling speed of the PA-23 and PM-508 perforators varies by 4 - 13% at blast-hole diameters of 25 - 31 mm and by 15 - 63% at diameters of 40 - 45 mm. The drilling speed of PA-23 and T-10C perforators increases by 77 - 194% with an increase in the diameter of the drilling bit from 25 to 45 mm. The comparison of the results shows that high speed with increased

Card 1/2

SOV-132-58-9-6/18

Some Results of the Experimental Drilling of Blast-Holes With Bits of a Reduced Diameter

rotation gives the best results for drilling blast-holes with diameters from 25 to 45 mm. The drilling speed of the T-10C perforator is 1.7 to 2.9 times greater than that of the other two perforators. The author recommends the production of special small diameter drilling bits, and of smaller charges of explosives, which will permit the drilling of blast-holes with diameter of 31 - 25 mm. There are 2 tables, 1 photo, and 2 graphs.

ASSOCIATION: MGRI

1. Drilling machines--Test results

Card 2/2

RODIONOV, U.V.

Study of karst in the mass construction of small reservoirs.
Trudy MIRA 18:94-98 '66. (MIRA 18:9)

GVOZDETSKIY, N.A., doktor geogr. nauk, otv. red.; SOKOLOV, N.I.,
doktor geol.-min.nauk, otv. red. [deceased]; POPOV, I.V.,
doktor geol.-min. nauk, prof., red.; BOGOMOLOV, G.V.,
akademik, red.; RODINOV, N.V., kand. geol.-min. nauk, red.;
SOKOLOV, D.S., doktor geol.-min. nauk, red.; PERVAKOV, I.L.,
red.izd-va;

[Survey of the state of karst studies in the U.S.S.R. and
abroad] Obshchie voprosy karstovedeniia; materialy. Mo-
skva, Izd-vo Akad. nauk SSSR, 1962. 246 p. (MIRA 15:3)

1. Nauchnoye soveshchaniye po izucheniyu karsta. 3d, Moscow,
1956. 2. Akademiya nauk Belorusskoy SSR (for Bogomolov).
3. Moskovskiy Gosudarstvennyy universitet (for Gvozdetskiy).
(Karst--Congresses)

MASLOV, Nikolay Nikolayevich, prof., doktor tekhn.nauk; PIL'GUNOVA,
Zoya Vasil'yevna, kand. geol.-mineral.nauk; RODIONOV, N.V.,
red.; BORUNOV, M.I., tekhn.red.

[Dams of North Africa; from the design and construction
practice] Plotiny Severnoi Afriki; iz praktiki proektirovaniia
i stroitel'stva. Moskva, Gos.energ.izd-vo, 1960. 133 p.
(MIRA 13:5)

(Africa, North--Dams)

RODIONOV, Nikolay Vasil'yevich; SOKOLOV, D.S., red.; VLASOVA, L.V., red. ~~izd~~-va;
SHMAKOVA, T.M., tekhn.red.

[Karst in the European part of the U.S.S.R., Ural Mountains and
Caucasus] Karst Evropeiskoi chasti SSSR, Urala i Kavkaza. Moskva,
Gosgeoltekhizdat, 1963 173 p. (Moscow. Vsesoiuznyi nauchno-
issledovatel'skii institut gidrogeologii i inzhenernoi geologii.
Trudy, no.13). (MIRA 17:3)

RODIONOV, Nikolay Vasil'yevich; OVCHINNIKOVA, S.V., red.izd-va; PEN'KOVA,
S.A., tekhn.red.

[Engineering geology research in karst regions for building small
reservoirs and public and industrial structures] Inzhenerno-
geologicheskie issledovaniia v karstovykh raionakh pri ustroistve
malykh vodoemov, grazhdanskom i promyshlennom stroitel'stve.
Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geologii i okhrane neдр,
1958. 183 p. (MIRA 12:2)

(Karst)

POPOV, Ivan Vasil'yevich; RODIONOV, N.V., red.; YERMAKOV, M.S.,
tekhn.red.

[Engineering geology] Inzhenernaia geologiya. Izd.2., perer.
i dop. Moskva, Izd-vo Mosk.univ., 1959. 509 p. (MIRA 12:8)
(Engineering geology)

SKVORTSOV, G.G., starshiy nauchnyy sotr.; ROMANOVSKAYA, L.I.,
mladshiy nauchnyy sotr.; Primal uchastiye ZOTOV, N.V.,
inzh.; RODIONOV, N.V., nauchnyy red.; GRISHINA, T.B., red.
izd-va; BYKOVA, V.V., tekhn. red.

[Engineering geology prognoses of the conditions of the
development of solid mineral deposits; methodological
instructions] Inzhenerno-geologicheskie prognozy uslovii
razrabotki mestorozhdenii tverdykh poleznykh iskopaemykh;
metodicheskie ukazaniia. Moskva, osgeoltekhizdat, 1961. 82 p.
(MIRA 15:7)

(Engineering geology)
(Mines and mineral resources)

LEVIN, Sergey Vasil'yevich; RODIONOV, N.V., nauchn.red.

[Soil mechanics] Mekhanika gruntov. Moskva, Nedra,
1964. 162 p. (MIRA 17:12)

RODIONOV, N.V.

Method of mapping karst regions for the purposes of engineering
geology and hydrogeology. Nov.kar.i spel. no.2:76-79 '61.
(MIRA 15:9)

(Karst--Maps)

RODIONOV, N.V.

Map of karst rocks and karst phenomena of the European part of the
U.S.S.R., the Urals, and the Caucasus made on a 1:2,500,000 scale.
Nov.kar.i spel. no.3:19-24 '63. (MIRA 16:10)

POPOV, I.V., doktor geol. min. nauk, prof, red.; BOGOMOLOV, G.V., akademik, red.; GVOZDETSKIY, N.A., doktor geogr. nauk, prof., red.; RODIONOV, N.V., kand. geol.-min. nauk, red.; SOKOLOV, D.S., doktor geol.-min. nauk, red.; NIKOLAYEV, N.I., doktor geol.-min. nauk, prof., red.; SOKOLOV, N.I., doktor geol.-min. nauk, prof., red.; [deceased]; PERELMAN, I.P., red.; [deceased]; SUSHKOVA, L.A., tekhn. red.; GOLUB', S.F., tekhn. red.

[Special problems of the study of karst; its hydrogeology, hydrology, geochemistry, engineering geology, and minerals] Spetsial'nye voprosy karstovedeniia; gidrogeologiya, gidrologiya, geokhimiia, inzhenernaia geologiya i poleznye iskopaemye. Doklady, Moskva, Izd-vo Akad. nauk SSSR, 1962. 182 p. (MIRA 15:12)

1. Nauchnoye soveshchaniye po izucheniyu karsta. 3d, Moscow, 1956. 2. Akademiya nauk Belorusskoy SSR (for Bogomolov). (Karst)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.;
BINDEMAN, N.N., red.; LYKOSHIN, A.G., red.; TITOV, N.A., red.;
GARMONOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent;
POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; KHAKIMOV,
V.Z., red.; YERMAKOV, M.S., tekhn.red.

[Methods and results in the study of hydrogeological and
engineering geological conditions of large reservoirs] Opyt
i metodika izucheniia gidrogeologicheskikh i inzhenerno-geolo-
gicheskikh uslovii krupnykh vodokhranilishch. Pod red. G.S.
Zolotareva, D.S.Sokolova i E.G.Chapovskogo. Moskva, Izd-vo Mosk.
univ. Pt.1. 1959. 175 p. diagrs. maps.

(MIRA 14:4)

(Volga Valley--Reservoirs)

(Engineering geology)

ADDICION, U.S.

It is in the ... of the Central Black ...
Region and ... of sticking it. You.

hydrocol. ... 19:22-23 '60.

(NIR 12:11)

(Central Black North Region-- Karst)

PRIKLONSKIY, V.A., doktor geologo-mineralogicheskikh nauk; GOR'KOVA, I.M.
OKNINA, N.A.; REUTOVA, N.S.; CHEPIK, V.F.; RODIONOV, N.V., redaktor
izdatel'stva; POLYAKOVA, T.V., tekhnicheskii redaktor.

[Engineering geology characteristics of Khvalynian clays in relation
to their formation (exemplified by some trans-Volga regions)] Inzhenerno-
geologicheskie osobennosti Khvalynskikh glinistyykh porod v svyazi
s usloviyami ikh formirovaniya (na primere nekotorykh raionov Zavolzh'ia).
Moskva, Izd-vo Akademii nauk SSSR 1956. 152 p. (Akademiia nauk SSSR.
Laboratoriia gidrogeologicheskikh problem, Trudy, vol. 13) (MIRA 10:3)
(Clay).

RODIONOV, N. V.

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61358

Author: Samikhatov, A. N., Dukhanina, V. I., Nelyubov, L. P., Rodionov,
N. V., Garmainov, I. V., Tolstoy, M. P., Syrovkashina, Ya. A.,
et al

Institution: None

Title: Map of Ground Waters of European Portion of USSR on a 1:1,500,000
Scale with Explanatory Notes

Original

Periodical: Sb. nauch.-tekhn. inform. M-vo geol. i okhrany nedr, 1955, No 1,
51-57

Abstract: The compiled map of ground waters of European portion of USSR made
it possible to render more precise the distribution of waters of
different type according to their chemical composition and mineral-
ization. Limits of mineralization vary within a range from 40-60
to 190,000 mg/l. Revealed are areas of higher K-content in spring
and borehole water which makes it possible to undertake exploratory

Card 1/2

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, D

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 61358

Abstract: work for K in underground waters of subsaltbearing beds of Lower Cambrian deposits.

Card 2/2

RODIONOV, N.V.

Conference on karst. Rasved.i okh.nedr 22 no.10:54-57 0 '56.
(MLRA 9:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii
i inzhenernoy geologii.
(Karst)

Dolomite sands. N. V. Rodionov. *Trudy Lab. in-
geol. Problem in. P. P. Savarenskogo, Akad. Nauk S.S.S.R.*
6, 148-71(1949).—The occurrence of dolomite sands or
powders is important for the engineering problems of dam
construction, the permeability of which for underground
waters is highly detd. by the porous state of these loose ma-
terials. The dolomite sands (often also called dolomite
ashes) are weathering products of Permian and Upper
Carbonian dolomites and dolomitic limestones; they occur
in lenses or concretions amidst the solid rocks, occasionally
on tectonic cracks and in cavities. The chem. compn. is
dolomite 87-99, calcite 0-13, and free magnesite up to 0.7%.
Most of the sands have grain sizes varying between 0.01
and 0.25 mm.; they are nonplastic, sometimes compacted
or even cemented with a higher mech. strength. The H₂O
content varies between 2.2 and 28%; the aggregate d. is
1.48-2.03, the true d. 2.81-2.91, the porosity 33-54%.
The coeff. of compaction under a pressure of 6 kg./sq. cm.
is 0-0.014, under a load of 12 kg./sq. cm. 0.001-0.008.
The friction coeff. is 0.94-1.10, the angle of friction 43°-47°
in moist condition, nearly 0° in the dry state. In mining, the
stability of the loose material is satisfactory if sufficiently
compacted by moisture. The character of the soln. highly
depends on the chem. compn. of the leaching waters. With
1 mg./l. CO₂ content, the corrosive waters easily leach 200
mg./l. of carbonates in the initial period of filtration, but
after some time the amt. of dissolved RCO₃ is decreased to
about 30 mg./l. The high initial amt. of dissolved RCO₃
is explained by the presence of satd. solns. in the powder
with its natural moisture content. Twenty-six complete
chem. analyses of typical dolomite sands are given; the
R₂O₃ contents vary between 0 and 0.6%, the insol. in HCl
between 0.2 and 2.0%. Extensive tables are given for the
granulometric compn., and the coeffs. of nonuniformity of
grain sizes detd., varying between 2.1 and 20.0. The chem.
compsn. of the filtration samples after leaching are also
tabulated.

W. Ritel

30807. RODIONOV, N. V.

O metodike izucheniya fiziko-tekhnicheskikh svoystv peschachanykh gruntov s
estestvennoy strukturoy. Voprosy gidrogeologii i inzh. geologii, sb. 12, 1949,
s. 67-73.

Radonov, M. V. "Certain rules for karst in carbonate rocks", Trudy Laboratorii
gidrogeol. i geol. im. Savarennskogo (Akad. nauk SSSR, Otd-niya geol.-geogr. nauk),
Vol. III, 1949, p. 52-57, - Bibliog: 6 times.

SO: 1-2848, 12 Feb. 53, (Letopis' Zhurnal 'nykh Statey, No. 2, 1949).

RODIONOV, N.V.

Some regularities of karst formations in lime deposits. Trudy Lab. Gidro-
geol. Problem im. F.P. Savarenskogo, Akad. Nauk S.S.S.R. 3, 343-7 '48.
(CA 47 no.19:9870 '53) (MLRA 3:2)

1. RODIONOV. M. V.
2. USSR (600)
4. Karst.
7. Some data on the rate of development of karst in carbonate--containing rocks.
Trudy Lab. gidrogeol. probl. 6149

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

1. PODIENKO, N. V.
2. USSR (600)
4. Dolomite
7. Study of pulverulent dolomite, Trudy Lab. gidrogeol. probl., No. 6, 1949.
9. Monthly List of Russian Accessions, Library of Congress, March, 1953. Unclassified.

POPOV, V.N., glav. red.; MAKKAVEYEV, A.A., zam. glav. red.; PAVLOV, B.S., red.; RODIONOV, N.V., red.; SHCHERBAKOV, A.V., red.; NEMANOVA, G.F., red. izd-va; SHMAKOVA, T.M., tekhn. red.

[Methodological handbook for making hydrogeological surveys on 1:50,000 and 1:25,000 scales] Metodicheskoe rukovodstvo po proizvodstvu gidrogeologicheskoi s"emki v masshtabakh 1:50,000 i 25,000. Moskva, Gosgeoltekhizdat, 1962. 370 p. (MIRA 16:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii.
(Water, Underground--Maps)

ZOLOTAREV, G.S., red.; SOKOLOV, D.S., red.; CHAPOVSKIY, Ye.G., red.; GARMANOV, I.V., retsenzent; PRIKLONSKIY, V.A., retsenzent [deceased]; POPOV, I.V., retsenzent; RODIONOV, N.V., retsenzent; TITOV, N.A., nauchnyy red.; FILIPPOVA, B.S., red.; BINDEMAN, N.N., red.; LYKOSHIN, A.G., red.; YERMAKOV, M.S., tekhn. red.

[Results achieved and methods used in studying hydrogeological and engineering geological conditions of large reservoirs] Opyt i metodika izucheniia gidrogeologicheskikh i inzhenerno-geologicheskikh uslovii krupnykh vodokhranilishch. Pod red. G.S.Zolotareva, D.S. Sokolova i E.G.Chapovskogo. Moskva, Izd-vo Mosk. univ. Pts.2 and 3. 1961. 360 p. diagrs, maps. (MIRA 14:8)
(Reservoirs) (Engineering geology)

RODIONOV, N. V., Cand Med Sci -- (diss) "Pulmonary pattern in the X-ray image in various periods of treatment of acute and chronic nonspecific pneumonia." Leningrad, 1960. 14 pp; (Leningrad State Order of Lenin Inst for the Advanced Training of Physicians im S. M. Kirov); 350 copies: price not given; (KL, 50-60)²/136)

RODIONOV, N.V.

MASLOV, Nikolay Nikolayevich, doktor tekhnicheskikh nauk, professor;
RODIONOV, N.V., kandidat geol-mineral. nauk, redaktor; POLIVANOV, S.I.,
redaktor izdatel'stva; GOLUBENKOVA, L.A., redaktor izdatel'stva;
TOKER, A.M., tekhnicheskij redaktor; EL'KINA, E.M., tekhnicheskij
redaktor.

[Engineering geology] Inzhenernaia geologiya. Moskva, Gos.izd-vo lit-ry
po stroit.i arkhitekt., 1957. 408 p. (MIRA 10:11)
(Engineering geology)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QP QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ																									
RODIONOV, N.N. CH 9 Role of boron in causing fibrous fracture in lined steel. S. I. Sakhin, N. N. Rodionov, N. G. Vergazov, and A. D. Gusev. <i>Stal</i> 6, 766-72 (1960).—This investigation dealt with the effect of B on austenite transformation in hardening and on temper brittleness. The steels used in this study contained 0.00015, 0.0020 and 0.0041, 0.0012% of B. The first of these steels contained also Ti 0.015 and Zr 0.0085%. In the absence of P, B affects the austenite transformation curve favorably. Addition of B to a steel containing P caused severe temper brittleness in Cr-Ni-Mo steel. M. Hosh Evaluation B-59660 ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION STEEL STEEL																									

SMIRNOV, V.A., kand. tekhn. nauk; RODIONOV, O.G., inzh.

Determining the optimum consumption of pipes for the gas systems of residential buildings. 'Ispol'. gaza v nar. khoz. no.2: 146-154 '63. (MIRA 18:9).

1. Laboratoriya tekhniko-ekonomicheskikh izyskaniy Saratovskogo gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta po ispol'zovaniyu gaza v narodnom khozyaystve.

RODIONOV, O.M, inzh.

New method for electrical shearing of sheep. Mekh. sil'. hosp. 9
no. 7:22-23 J1 '58. (MIRA 11:8)

(Sheep shearing)

12

ROBINOV, P.

2A

1ST AND 2ND PROPERTIES AND PROPERTIES INDEX

Absorption of copper compounds in the digestive tract and the permissible quantity of copper in feedstuffs. P. Robinov. *Voprosy Pitaniya* 6, No. 6, 1 17 (1935). Data are given on the copper contents of various internal organs of rabbits, cats and a dog fed on copper-rich diets, copper acetate and albuminates and oleate, which died or were killed after 80 to 100 days. Small amts. of Cu aid growth and hemoglobin count, but above 1 mg. per kg. per five days, growth is decreased. P. H. Rathmann

AS 54 METALLURGICAL LITERATURE CLASSIFICATION

RODIONOV, O.M., ~~inzh~~ -mekhanizator

Circular or "herringbone" arrangement for milking parlors.
Mekh. sil'. hosp 12 no.11:22-23 N '61. (MIRA 14:11)
(Milking machines)

RODIONOV, O.M., inzh.

Preparing dairy farms for the transistion to machine milking.
Mekh. sil'. hosp. ll no.7:25 J1 '60. (MIRA 13:10)
(Milking machines)

RODIONOV, O.M., inzh.

New milking unit. Mekh. sil', hosp. ll no.10:25-26 0 '60.

(MIRA 13:6)

(Milking machines)

RODIONOV, O.N., inzh.

The MKhU-12 refrigerating unit. Mashinostroenie no.2:100-101
Mr-Ap '62. (MIRA 15:4)

1. Ukrsel'khoztekhnika.
(Refrigeration and refrigerating machinery)

RODIONOV, P. ...

USSR/Engineering - Welding

Mar 51

"Escape of Acetylene Into Atmosphere From Acetylene Plants," P. A. Rodionov, Engr

"Avtogen Delo" No 3, pp 27, 28

Pits for carbide silt from acetylene generators require proper attention, otherwise they become source for contaminating atm with acetylene. Suggests preventive measures: evacuation of pits with aid of sanitary cistern-automobiles, especially modified for this purpose; and covering pits with concrete plates, permitting escape of acetylene into higher layers of atm through exhaust pipes.

185T36

RODIONOV, Petr Aleksandrovich; TOLMACHEV, A., red.; TROYANOVSKAYA, N.,
tekhn.red.

[Political propaganda during the night shift] Politicheskaya
agitatsiya v nochnoi smene. Moskva, Gos.izd-vo polit.lit-ry,
1960. 46 p. (Biblioteka agitatora, no.9). (MIRA 13:5)
(Stalino Province--Coal mines and mining)
(Communist Party of the Soviet Union--Party work)

21

The production of acetylene with the recovery of dry calcium hydroxide from the by-products. P. A. Rodionov, A. L. Veisman and P. A. Ivanov. *Atmosfera* No. 11, 20-30 (1937); *Chem. Zvest.* 1938, 11, 2840. — Two modifications of an improved app. for the production of C_2H_2 are described. Advantages over other equipment for production of the gas are greater capacity and ease of handling, decreased space requirements, and the possibility of simultaneous recovery of the CaO . M. G. M.

ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION

ROD VAG, J., KONOBLEN, I.I.

Using the radio wave transmission and mapping method in prospecting
for deep pyrite bodies of the Urals in the area of Berezniki. Izv.
vys. shk. zash. i razv. B no.9:135-140 S '66.
(MIRA 18:9)

1. Institut geofiziki Ural'skogo filiala AN SSSR.

RODIONOV, P.F.; KRASNOBAYEVA, A.G.

Basic electric characteristics of the structure of pyrite deposits
in the Urals. Trudy Inst.geofiz.UFAN SSSR no.3:155-168 '65.
(MIRA 18:8)

RODIONOV, P.F.

Electric structure of the Ozernoye pyrite deposit. Trudy Inst.geofiz.
UFAN SSSR no.3:175-182 '65. (MIRA 18:8)

KONONENKO, I.I.; LEGA, G.A.; RODIONOV, P.F.

Practice in resistance logging in a pyrite deposit of the Southern
Urals. Trudy Inst.geofiz.UFAN SSSR no.3:187-194 '65.

(MIRA 18:8)

S/874/62/000/002/015/019
D218/D308

AUTHORS: Kononenko, I.I. and Rodionov, P.F.

TITLE: Field of a point source of current placed at a depth in a two layer medium with a vertical separation boundary

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 243-253

TEXT: The problem considered is illustrated in Fig. 1 where the two media have resistivities ρ_1 and ρ_2 and the point source of current is located at the origin 0. Formulas are given for the potential and the gradient of the potential at the surface and these are then used in numerical calculations with $\rho_1 = 1$, $I/2\pi = 1$ and $z_0 = 1$ and different values of $k = (\rho_2 - \rho_1)/(\rho_2 + \rho_1)$ and α . Results of the calculations show that the field in this type of medium differs appreciably from the field in the case of an isotropic medium. The results have been found to be useful in the

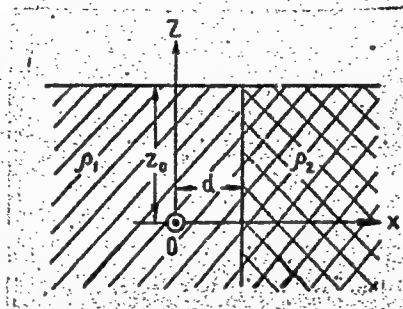
Card 1/2

Field of a point source ...

S/874/62/000/002/015/019
D218/D308

interpretation of the geoelectric structure in the Ural'. There are 8 figures.

Fig. 1



Card 2/2

S/874/62/000/002/016/019
D218/D308

AUTHORS: Kononenko, I.I. and Rodionov, P.F.

TITLE: The field of a point source located at a depth in the presence of a vertical plate

SOURCE: Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962. Geofizicheskiy sbornik, no. 3, 255-266

TEXT: The problem considered is illustrated in Fig. 1 in which the medium in the lower half-space consists of three vertical layers with resistivities ρ_1 , ρ_2 and ρ_3 . The point source, which is supplied with a constant current I , is placed at the origin 0. Numerical calculations were carried out of the potential and the potential gradient for $\rho_1 = \rho_3 = 1$, $I/2\pi = 1$, $z_0 = 1$ and $h = 0.25 z_0$. The calculations were based on series expansions for these quantities which are reproduced in this paper. A substantial number of curves illustrating the numerical calculations is reproduced. It was found that the presence of the vertical plate has a considerable effect on

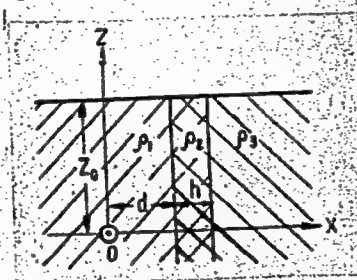
Card 1/2

S/874/62/000/002/016/019
D218/D308

The field of a point source ...

the distribution of the potential due to the point source. In the medium 1 in which the source is placed, the potential is reduced or increased depending on whether the coefficient $k_{12} = (\rho_2 - \rho_1)/(\rho_2 + \rho_1)$ is smaller or larger than zero. In the medium 3, the field is always reduced by the presence of a plate. Where $k_{12} = \pm 1$ the potential in medium 3 is zero. Points with maximum values of the potential (zero gradient) are always displaced in the direction of the X-axis by the introduction of the intermediate plate. In the Y direction the point with the maximum potential is not displaced. An example of the application of these results to the interpretation of field measurements is given. There are 8 figures.

Fig. 1



Card 2/2

S/874/62/000/002/017/019
D218/D308

AUTHOR:

Rodionov, P.F.

TITLE:

Interpretation of anomalous field above charged elongated conductors

SOURCE:

Akademiya nauk SSSR. Ural'skiy filial. Institut geofiziki. Trudy. no. 2, 1962, Geofizicheskiy sbornik, no. 3, 275-280

TEXT:

The author considers a charged, horizontal, infinite, elliptical cylinder with semi-axes b and c ($b > c$) lying in an isotropic half-space as shown in Fig. 1. The expression for the potential at the surface is

$$U = (\rho i / 4\pi) \int_{\lambda}^{\infty} [(b^2 + \lambda)(c^2 + \lambda)]^{-\frac{1}{2}} d\lambda$$

where ρ is the resistivity of the medium, i is the current leaving the cylinder per unit length and λ is the largest root of the equation $x^2/(c^2 + \lambda) + z^2/(b^2 + \lambda) = 1$. The above relation was used to

Card 1/3

S/874/62/000/002/017/019
D218/D308

Interpretation of anomalous ...

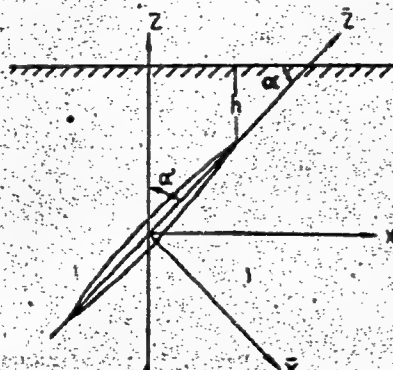
evaluate the values of the potential gradient $\partial U / \partial x$ for $b = 1$, $c = 0.05$, $\rho_i / 4\pi = 1$. Results of these numerical calculations show that when $\alpha = 0$, the potential-gradient curve intersects the z -axis above the projection of the upper end of the major axis of the cylinder. The two points coincide only when $\alpha = 90^\circ$. A characteristic feature of the computed curves is the asymmetry of the gradient for $0 < \alpha < 90^\circ$. The asymmetry is particularly large for $\alpha = 15-16^\circ$. General nomograms are given which may be used in the interpretation of potential-gradient curves. These nomograms give $\partial U / \partial x$ as functions of x_0 for different values of α below and above the surface of the half-space, and at different depths of the cylinder below the surface. There are 5 figures.

Card 2/3

Interpretation of anomalous ...

S/874/62/000/002/017/019
D218/D308

Fig. 1



Card 3/3 :

RODIONOV, P.F.

Comparative characteristics of combined and differential profiling
method. Trudy Gor.geol.inst.UFAN SSSR no.6:141-155 '60.
(MIRA 14:10)

(Ural Mountains--Prospecting--Geophysical methods)
(Ural Mountains--Pyrites)

RODIONOV, P F.

SOV/ 49-58-11-10/18

AUTHORS: Dedysheva, T. V., Pigulevskaya, V. B. and Rodionov, P. F.

TITLE: Adaptability of Methods of Electro-Prospecting for Pyrite
Formations Occurring in Metamorphic
Rocks and Slates of the Urals (O primenimosti
kompensatsionnykh metodov elektrorazvedki dlya poiskov
kolchedannykh mestorozhdeniy Urala, zalegayushchikh
sredi metamorficheskikh porod i slantsev)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya Geofizicheskaya,
1958, Nr 11, pp 1374-1382 (USSR)

ABSTRACT: Comparative analysis of the materials obtained from the
electro-prospecting carried out in the Central Ural
resulted in some important conclusions. One of them is
that owing to the varying thickness of deposits, the
compensation method cannot practically define a uniform
field. The complex character of the field obtained did
not allow tracing the origin of the irregularities in the
ore distribution, even in the shallow deposits in such
localities as Yur'yev, Slonov, Shaytan. Also, due to the
complexity of the field, it was difficult to establish the
right spread of the cable, therefore, often some parts
of the surveying zone were omitted (Figs. 3-6). It was

Card 1/3

SOV/ 49-58-11-10/18

Adaptability of Methods of Electro-Propecting for Pyrite Formations
Occurring in Metamorphic Rocks and Slates of the

Ural

observed that the various factors, other than those for the ores, were affecting the measurements carried out by the compensation method over the metamorphic rocks and slates. In addition, due to the small distance between the electrodes, it was difficult to determine the area of increasing or decreasing electro-conductivity, even for shallow layers of less than 50 m. Therefore, if an indirect relation between the ore layers to the shallow deposits is required, the method of compensation and its variation, the method of vertical field, cannot be employed even if the irregularities of conductivity are checked by means of the isolines (Figs.1 and 2) through holes drilled deep into the ore layers (Pianko-Lomov and Teplov). In the case of the disturbed field where the layers of metamorphic rocks and slates affect the electro-conductivity, it is impossible to determine the irregularities of small intensity (range of 10%) related to the ore layers below 50-100 m. It can be said then that the limitations of the compensation method in searching for deep ore layers, described by Ovchinnikov (Refs.1-6)

Card 2/3

SOV/ 49-58-11-10/18

Adaptability of Methods of Electro-Prosppecting for Pyrite Formations
Occurring in Metamorphic Rocks and Slates of the
Ural

for the Karabash region, can be extended to all areas of the Central Ural. It should be added that this applies also to the shallow (less than 50 m) formations where the metamorphic rocks and slates are present. As a result of the investigations, it is advisable to abandon the methods of compensation and vertical field in electro-surveying when searching for the pyrite formations deposited in metamorphic rocks and slates. There are 6 figures and 6 references, all of which are Soviet.

ASSOCIATIONS: Ural'skiy filial AN SSSR, Gorno-geologicheskii institut (Ural Branch of the Ac.Sc. USSR, Geological Institute) and Soyuznyy Ural'skiy geofizicheskii trest Bazhenovskaya geofizicheskaya ekspeditsiya (All-Union Ural Geophysics Trust, Bazhenov Geophysics Expedition)

SUBMITTED: October 4, 1957

Card 3/3

RODIONOV, P.F.

Experiment in determining the azimuth and angle of incidence of wall rock layers and ore bodies in the Ural pyrite deposits on the basis of electric prospecting data. Izv. Sib. otd. AN SSSR no.1: 33-43 '58. (MIRA 11:8)

1. Ural'skiy filial AN SSSR.
(Ural Mountains--Prospecting--Geophysical methods)

KODIUNOV, P.F.

3(6,10); 9(6)

PHASE I BOOK EXPLOITATION

SOV/1924

Akademiya nauk SSSR. Ural'skiy filial. Gorno-geologicheskii institut.

Geofizicheskii sbornik, no. 2. (Collected Papers on Geophysics, Nr. 2.)
Sverdlovsk, 1957. 207 p. Issued also as Its Trudy, vyp. 30
Errata slip inserted. 2,400 copies printed.

Resp. Ed.: Yu.P. Bulashevich, Doctor of Physical and Mathematical
Sciences; Ed.: I.M. Demin; Tech. Ed.: L.A. Izmodenova.

PURPOSE: This collection of articles is intended for field geo-
physicists and exploration party leaders.

COVERAGE: These articles discuss many new techniques and some theore-
tical considerations involved in gravitational, magnetic, seismic,
electrical and gamma radiation exploration methods. In 4 articles
V.N. Ponomarev discusses various aspects of magnetometry;
N.I. Khalevin - the study of elastic wave propagation; and
G.M. Voskoboynikov - gamma radiation. Extensive bibliographies
accompany each articles.

Card 1/5

Collected Papers (Cont.)

SOV/1924

TABLE OF CONTENTS:

<u>Rodionov, P.F., V.D. Kokourov. Application of a High Frequency Electromagnetic Field in Exploration for Sulphide Deposits in the Urals</u>	3
<u>Rodionov, P.F., Application of the Non-grounded Loop Method in Search for Pyritic Deposits in the Urals</u>	24
Kokourov, V.D., and A.A. Bashmakov. Field Vacuum-tube Volt-meter	32
Bashmakov, A.A., and V.D. Kokourov. Alternating Current Generators	36
Kokourov, V.D. Low-frequency Field Comparator	42
Bulashevich, Yu.P. Similarity Principle in Modeling the Polarization of Ore Bodies Caused by Current	53
Gelfand, I.S. Alternating Field of a Vertical Electric Dipole in a Bedded Medium	60

Card 2/5

Collected Papers (Cont.)	SOV/1924	
Gelfand, I.S. Alternating Field of a Horizontal Frame in a Bedded Medium		72
Ponomarev, V.N. Magnetization Curve of a Sample of Magnetite of Contact-metasomatic [Replacement] Origin		84
Ponomarev, V.N. Portable saturation magnetometer		87
Ponomarev, V.N. Application of Magnetometry in Exploration for Pyritic Deposits in the Southern Part of Zaural'ye		93
Ponomarev, V.N. Temperature Effect Problems in Magnetic Compensation Devices		97
Bulashevich, Yu.P. Magnetic Field of a Horizontal Layer With Nonuniform Distribution of Magnetic Minerals		100
Orlov, G.G. Nomogram to Determine the Depth Position of Bodies by the Points of Intersection of Potential Derivatives Curves Taken at Various Elevations		105
Card 3/5		

Collected Papers (Cont.)

SOV/1924

Khalevin, N.I. Results of Seismo-logging the Intermediate [Interval] Velocities of Propagated Elastic Waves	111
Khalevin, N.I. Application of the Refracted Wave Correlation Method in the Search and Exploration for Coal-bearing Deposits on the Eastern Slope of the Urals	116
Khalevin, N.I. Velocity of Elastic Wave Propagation in Sedimentary Formations	121
Khalevin, N.I. Problem of Measuring the Elastic Wave Velocity of Rocks "in situ."	133
Bugaylo, V.A. Short Method of Constructing the Refracting Boundaries by the Sections Method	142
Bulashevich, Yu.P. Equivalency of Volumetric and Surface Radiation	146
Voskoboynikov, G.M. Integral Equations and Approximate Formulas for Computing the Intensity of Gamma Radiation in an Homogeneous Radioactive Medium	162

Card 4/5

Collected Papers (Cont.)

SOV/1924

- Karasik, M.A., and V.A. Bugaylo. The Genetic Relationship of
Magnitogorskiy Granitoid Massif With the Eruptive Rocks of
Basic Nature 173
- Timofeyev, A.N. Computations of the Interpretative Grids for
Geophysical Surveys 178
- Timofeyev, A.N. Graphic Interpretation of Geophysical
Anomalies by the Method of Tangents 189

AVAILABLE: Library of Congress

Card 5/5

MM/ad
6-15-59

DEDYSHOVA, T.V.; FIGULEVSKAYA, V.B.; RODIONOV, P.F.

Applicability of compensation methods in electric prospecting
for pyrite deposits occurring in metamorphic rocks and schists
of the Urals. Izv.AN SSSR.Ser.geofiz. no.11:1374-1382 N '58.
(MIRA 11:12)

1. Ural'skiy filial AN SSSR, Gorno-geologicheskii institut i
Soyuznyy Ural'skiy geofizicheskii trest, Bazhenovskaya
geofizicheskaya ekspeditsiya.
(Prospecting--Geophysical methods) (Ural Mountains--Pyrites)

SOV/132-59-4-8/17

AUTHOR: Dedysheva, T.V. and Rodionov, P.F.

TITLE: On the Adaptability of Compensatory Methods of Electric Geophysical Exploration for Prospecting for Pyrite Deposits.

PERIODICAL: Razvedka i okhrana nedr, 1959, Nr 4, pp 29-34 (USSR)

ABSTRACT: The authors discuss the expediency of the use of compensatory methods of electric geophysical exploration of pyrite deposits in the Krasnoural'sk region. The region was explored from 1951 to 1957 by these methods. Eighteen anomalies were checked by drilling and in only one case was a deposit found in the valley of the Ayva river. Summing up to the results of the geophysical survey of the region, the authors found that the compensatory methods are not more efficient than other geophysical methods. The metamorphic slates create an intensive field disturbance interpreted on the plotter as a con-

Card 1/2

SOV/132-59-4-8/17

On the Adaptability of Compensatory Methods of Electric Geophysical Exploration for Prospecting for Pyrite Deposits.

ductivity anomaly. The authors compare the results of the survey by different geophysical methods in various parts of the Krasnoural'sk region, and came to the conclusion that no presently existing geophysical methods can locate deeply-situated deposits enclosed in metamorphic rock and slates. In specific conditions of the region, the compensatory methods or methods of vertical fields cannot be adapted for prospecting operations. The following scientists are mentioned in this article: G.P. Sakovtsev, A.A. Redozubov, K.A. Shantsyn, D.M. Karpushin, A.S. Polyakov and N.P. Grigor'yeva. There are 5 sets of diagrams and 5 Soviet references.

ASSOCIATION: Ural'skoye Geolupravleniye (The Urals Geological Administration (Dedysheva) and UFAN (Rodionov)

Card 2/2

RODIONOV, P.F.; KOKOUROV, V.D.

Use of high-frequency magnetic fields in prospecting for
sulfate deposits in the Urals. Trudy Gor.-geol. inst. no.30:

3-23 '57.

(MIRA 11:7)

(Prospecting--Geophysical methods) (Ural Mountain region--Sulfates)

RODIONOV, P.F.

Using the method of a nongrounded circuit in prospecting for
pyrite deposits in the Urals. Trudy Gor.-geol. inst. no.30:24-31
'57. (MIRA 11:7)
(Ural Mountain region--Pyrites) (Prospecting--Geophysical methods)

RODIONOV, P. F.

Petropavlovskii, S. A., and Redionov, P. F. "A Brief Geologic-Geophysical Characteristic of the Surroundings of the Belorechensk Pyrite Deposit in the Urals." Tsvetnye Metally, Moscow-Leningrad-Sverdlovsk, No. 4, 1938, pp. 9-15.

RODIONOV, P. F.

Rodionov, P. F. Electrometry in the Preliminary and Detailed Exploration for
Deposits of Colored Metals. Tsvetnye Metally, Moscow-Leningrad-Sverdlovsk, No.6,
1938, pp. 9-16.

* RODIONOV, Petr Ignatevich Tarasovich and GROMOV, Vladimir Ustinovich

GROMOV, Vladimir Ustinovich and RODIONOV, Petr Ignatevich Tarasovich - Rassledovaniya
Khishchenii i zlouteblenii v khozaistvennom apparate (The Investigation of Embezzle-
ment and Misuses in the Economic Organization). 1937

M5
927.610
.U5

LC

*SEE ALSO: TARASOVICH-RODIONOV, Petr Ignatevich

BONDARI, I.I.; CRUKALY, I.A.; POPOV, I.I.; FIDINA, N.V.

Polyesterification of malonic acid esters. Izv. AN SSSR. Ser. khim.
no. 10:1899-1914 '66. (MIRA 18:10)

I. Institut organicheskoy khimii im. N.D. Zelinskogo AN SSSR.

RODIONOV, P. S.

Palimpsestov, M. A., Rodionov, P. S., and Pavlenko, A. F. "Results of treating monieziasis in calves", (Report), Sbornik rabot po gel'mintologii (Vsesoyuz, in-t gel'mintologii im. akad. Skryabina), Moscow, 1948, p. 156-57.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

... . (& KLENIN, I. I.)

Glavneyshkiye sel'mintozy sel'skokhozyaystvennskh zhivotnykh i obyt bor'by s nimi v Chkalovskoy Oblasti (The Principal Helminths of Farm Animals and the Results of Combating Them in Chkalov Oblast). Chkalov, 1954, 40 pages with illustrations.

U-4258

RODIONOV, P.

P. RODIONOV, author of Bor'ba s koktsidiozom krupnogo rogatogo skota i ovets
("Control of Coccidiosis of Cattle and Sheep") Chkalov, Chkal. izd., 1951. 4 pages.
(Chkal. obl. Administration of Agriculture. Administration of Agricultural Prop-
aganda. Veterinary Division). Unbound. 1,500 copies.

SO: [REDACTED] Report U-4502; 28 August 1953. [REDACTED]

(From: NEW BOOKS ON VETERINARY MEDICINE Veterinariya, No. 11, pp. 63,64, Nov. 1951,
Moscow, Russian mo per.)

RODIONOV, P. 151

RODIONOV, P. Trichomoniasis of cattle and horses. Chkalov. Chkalov Publishing House, 1952. 18 pages. Free. 2,500 copies. (Chkalov Oblast administration of Agriculture, Administration of Agricultural Propaganda, Veterinary Department.)

So: Veterinariya; 30; (3); March 1953; Uncl.
TABCON

RODIONOV, P. (S)

RODIONOV, P.: Diseases of chickens caused by mange ticks and fureaters.
Chkalov. Chkalov Publishing House 1952. 8 pages. Free. 2,5000 copies.
(Chkalov Oblast Administration of Agriculture, Administration of Agricultural
Propaganda, Veterinary Department.

SO: Veterinariya; 30; (1); January 1953; Uncl. TABCON

ZOTIKOV, Yu.M.; ROZENTSVEYG, P.E.; RODIONOV, P.T.

Universal pharmaceutical apparatus, UAA-1. Apt. delo 12
no.4:53-58 J1-Ag '63. (MIRA 17:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.

MATSIYEVSKIY, G.A.; RODIONOV, P.T.

Continuous counterflow extractor. Med.prom. 13 no.10:38-40 0 '59.
(MIRA 13:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(EXTRACTION APPARATUS)

MATSIYEVSKIY, G.A.; RODIONOV, P.T.

Continuous counterflow extractor. Med.prom. 13 no.10:38-40 0 '59.
(MIRA 13:2)

1. Leningradskiy khimiko-farmatsevticheskiy institut.
(EXTRACTION APPARATUS)

The lead deposit of Arel Tau (Ah-Tau) P. V. Rodionov, *Izvestiya Akad. N., No. 12, 14* [9, 10, 1971]; *Chem. Zentr.*, 1980, II, 670. --The deposits of the Turkestan ore region lying along the southeastern course of the Kara Tau consist of metacarbonate ores of hexaxial structure. Galena consists of micrometric ores of hexaxial structure, together with calcite, and cerussite occurs chiefly concentrated together with calcite; smithsonite is also present. The Pb deposit is rich at such metamorphic levels. The Zn deposit is rich at such metamorphic levels. When considered together with about 70,000 metric tons, which are considered together with neighboring deposits about 250,000 tons must be present. M. G. Moiseyev.

ASB-31A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
CA Indications for prospecting for lead-zinc deposits in the Karatau [mountain] chain. P. V. Rodionov. <i>Russkaya Yedra</i>, 13, No. 3, 3-4(1947).—The Karatau chain is the site of important Pb-Zn deposits extending for approx. 200 km. The deposits are of the metamorphic type. The common thickness of the deposits is 100-200 m. and only two known deposits attain 300-400 m. Throughout this area the deposits have certain characteristic indications which can serve as guide in prospecting. These indications can be divided roughly into two classes, direct and indirect. The direct indications are (see outline) which commonly are oxide and only seldom sulfide. Among the direct indications are rust-colored spots, burst holes, breccia deposits, tectonic characteristics, dolomitization, and calcitic breccia. Only the calcite breccia can be regarded as a reliable guide in prospecting for Pb-Zn deposits in this area. The origin of calcitic breccia is explained as follows: as the acid metal-carrying soln. wound its way through fissures in the limestone, it was dissolving CaCO_3, gradually becoming neutralized. Fe, Zn, and Pb sulfides pptd. and the soln. became satd. with bicarbonate. The soln. moved upward and as the pressure decreased, calcite deposited. The level at which calcite was deposited depended on the acidity of the soln. M. Hosh																																																			
ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION																																																			

RODIONOV, Petr Vladimirovich, professor, redaktor; GITSHTEYN, A.D.,
tekhnicheskii redaktor.

[Prescription manual] Retsepturnyi spravochnik. Kiev. Gos.med.
izd-vo USSR, 1955. 244 p. (MLRA 8:9)
(Medicine--Formulae, receipts, prescriptions)

BOGOMOLOV, P. V., Prof., Kiev

"On the Problem of the Pharmacology of Tertiary di (beta-chlorethyl) Amines and the Connection Between Their Chemical Structure and Their Effect on the Organism," a paper presented at the Fifth Conference of the Ukrainian Society of Physiologists, Biochemists, and Pharmacologists," 28 May-2 June, 1956, Khar'kov.

"Different representatives of this group of compounds possess pharmacological properties which are common to all of them. These are their effect on the central and automatic nervous systems, on the blood, and on cell division. These effects are the result of the disturbance of the structure and functions of the nucleoproteids, desoxyribonucleic acid in particular. Their toxic properties are particularly exhibited by the methyl di-(beta-chlorethyl) amine. Toxicity is considerably diminished in the homologues, particularly on replacement of aromatic radicals. Their effect on the blood, however, is retained, which makes them especially suitable for application. The author pointed to the importance of the hydrolysis of the compounds and indicated that the hydrolysis of tertiary di (beta-chlorethyl) amines is accompanied by the formation of intermediary reactive product of the ethylene amide type which are capable of alkylating action."

PETROVSKIY, G.A. : RODIONOV, P.V., redaktor.

[Clinical pharmacology] Klinicheskaya farmakologiya. Pod red.
P.V.Rodionova. Izd. 2, perer. i dop. Kiev, Gos.med.izd-vo
USSR, 1956. 540 p. (MIRA 9:5)
(PHARMACOLOGY)

RODIONOV, Petr Vladimirovich, prof., red.; GITSHTeyN, A.D., tekhn.red.

[Praescriptiones; a prescription handbook] Praescriptiones;
retsepturnyi spravochnik. Izd.2-oe, ispr.1 dop. Kiev, Gos.med.
izd-vo USSR, 1957. 354 p. (MIRA 11:1)
(MEDICINE--FORMULAE, RECEIPTS, PRESCRIPTION)

RODIONOV, Petr Vladimirovich, prof., red.; GITSHKYN, A.D., tekhn.red.

[Short course in organophosphorus substances; manual for physicians and members of the medical branch of the local antiaircraft defense] Kratkii kurs lektsii po fosfororganicheskim veshchestvam; posobie dlia vrachei i rabotnikov meditsinskoi sluzhby MPVO. Kiev, Gos.med.izd-vo USSR, 1959.

(MIRA 12:10)

75 p.

(PHOSPHORUS ORGANIC COMPOUNDS) (CHEMICAL WARFARE--SAFETY MEASURES)

LUGANSKIY, N.I., prof., red.; PETRUN'KIN, V.Ye., kand.khim.nauk, red.;
RODIONOV, P.V., prof., red.; CHERKES, A.I., prof., red.;
LOKHMATYY, Yu.G., tekhnicheskiy red. .

[Thiol compounds in medicine; proceedings of a conference at
Kiev, December 16-19, 1957] Tiolovye soedineniya v meditsine;
trudy nauchnoi konferentsii, Kiev, 16-19 dekabria 1957 goda.
Kiev, Gos.med.izd-vo USSR, 1959. 286 p. (MIRA 13:4)

1. Ukrainskiy nauchno-issledovatel'skiy sanitarno-khimicheskiy
institut. 2. Chlen-korrespondent AMN SSSR (for Cherkas).
(THIOLS--THERAPEUTIC USE)

RODIONOV, F.V., prof., red.; BYKOV, N.M., tekhn. red.

[Prescription reference book] Retsepturnyi spravochnik. Izd. 3.,
ispr. i dop. Kiev, Gos. med. izd-vo USSR, 1961. 476 p.

(MIRA 16:1)

(MEDICINE--FORMULAE, RECEIPTS, PRESCRIPTIONS)

RODIONOV, P.V., prof.; BAZHENOV, S.V., prof.; SLAST'ON, M.I., dotsent
(Kiyev)

"Medicinal plants and their use by the people" by M.A. Nosal',
I.M. Nosal'. Reviewed by P.V. Rodionov, S.V. Bazhenov,
M.I. Slast'on. Vrach. delo no. 3:147-148 Mr '61. (MIRA 14:4)
(BOTANY, MEDICAL) (NOSAL', M.A.) (NOSAL', I.M.)

NOVIK, Isaak Osipovich, prof.; MARCHENKO, Aleksey Ivanovich, dots.;
RELIKOV, P.V., red.

[Prescription manual for the stomatologist] Retsepturnyi
spravochnik vracha-stomatologa. 2. izd., ispr. i dop.
Kiev, Zdorov'ia, 1965. 170 p. (MIRA 18:10)

PETROVSKIY, G.A. [deceased]; PANASHCHENKO, A.D.; RODIONOV, P.V., prof.
red.

[Clinical pharmacology] Klinicheskaya farmakologiya. Izd. 3.,
perer. i dop. Kiev, Zdorov'ia, 1965. 527 p. (MIRA 18:7)

SPITSYN, Viktor., akademik; KOLLI, I.D.; RODIONOV, R.A.; SEVAST'YANOVA, T.G.

Synthesis and study of the reactions involved in disproportionation of some trifluoroborazane derivatives. Dokl. AN SSSR 160 no.5:1101-1103 F '65. (MIRA 18:2)

1. Moskovskiy gosudarstvennyy universitet i Institut fizicheskoy khimii AN SSSR.

SPITSYN, Vikt. I., akademik; KOLL.I, I.D.; RODIONOV, R.A.;
SEVAST'YANOVA, T.G.

Conductance of aqueous and nonaqueous solutions of trifluoro-
borazane. Dokl. AN SSSR 165 no.2:341-343 N '65.

(MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet i Institut fizicheskoy
khimii AN SSSR.

L 42939-66 EWT(m)/JWF(j)/T WW/JWD/RM

ACC NR: AP6013283 (A) SOURCE CODE: UR/0413/66/000/008/0079/0079

INVENTOR: Spitsyn, V. I.; Kolli, I. D.; Rodionov, R. A.

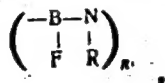
ORG: none

TITLE: Preparation of organoelemental polymers,¹ Class 39, No. 180799¹⁵

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 79

TOPIC TAGS: polymer, organoelemental polymer

ABSTRACT: This Author Certificate introduces a method of preparing an organoelemental polymer of the general formula



where R—hydrogen, alkyl C₁—C₁₀, aryl, cycloalkyl or heterocyclic radical, and n is the degree of polymerization. By this method, BF₂NR₂ or (BFNR)₃ monomers are heated under vacuum at 150--290 C in the presence of polymerization initiators, such as

Card 1/2

UDC: 678.86.16.27

L 42939-66

ACC NR: AP6013283

peroxides, boron trifluoride complexes, borazenes, and metal oxides or salts.
[Translation] [LD]

SUB CODE: 11/ SUBM DATE: 01Feb65/

Card2/2 MLP

L 32473-65 EWT(m)/EPA(s)-2/EPF(c)/T/EWP(j)/EPR/EWA(c) Pc-4/Pr-4/Ps-4/Pt-10

RPL WW/RM

ACCESSION NR: AP5007568

S/0020/65/160/005/1101/1103

AUTHOR: Spitsyn, Vikt. I. (Academician, AN SSSR); Kolli, I. D.; Rodionov, R. A.; Sevast'yanova, T. G.

TITLE: Synthesis and disproportionation reactions of trifluoroborazane derivatives

SOURCE: AN SSSR. Doklady, v. 160, no. 5, 1965, 1101-1103

TOPIC TAGS: borazane, trifluoroborazane, trifluoroborazane derivative, nitrogen substituted derivative, boron nitrogen polymer, synthesis, disproportionation reaction, borazene, difluoroborazene derivative

ABSTRACT: A method was developed for synthesizing and purifying methyl and ethyl derivatives of trifluoroborazane, BF_3NH_3 , and the thermal disproportionation of these derivatives was studied. The organic derivatives of BF_3NH_3 are especially interesting as potential starting materials for preparing thermally stable inorganic polymers with a B-N bond in the main chain. The newly developed method of synthesis was simpler and more reliable than those described in the literature. Trifluoroborazane and its N-methyl and ethyl substituted derivatives were prepared with 82-97% yields by reacting boron trifluoride-diethyl ether in an ethyl ether solution at 5-10°C.

Card 1/3

L 32473-65

2

ACCESSION NR: AP5007568

with a corresponding alkyl amine. The products were purified by fractional distillation, mostly in a vacuum, without decomposition. Boiling and melting points of the purified compounds were determined. The melting point of BF_3NH_3 was found to be $152-153^\circ\text{C}$, a value which disagreed with data in the literature. On heating, BF_3NH_3 decomposes into ammonium fluoroborate and boron nitride. However, disproportionation of the N-ethyl substituted derivatives of BF_3NH_3 led to N-ethyl substituted difluoroborazenes. This fact indirectly confirmed the assumption that BF_3NH_3 disproportionation occurred in three steps, involving the borazene mechanism, although the intermediate products BF_2NH_2 and $(\text{BFNH})_n$ were not identified. The disproportionation reaction of N,N-diethyl-B,B-trifluoroborazane, $\text{BF}_3\text{NH}(\text{C}_2\text{H}_5)_2$, at $240-320^\circ\text{C}$, in the presence of certain metals (Al, Mg, Zn,) or without metals, produced N,N-diethyl-B,B-difluoroborazene, $\text{BF}_2\text{N}(\text{C}_2\text{H}_5)_2$, in various yields. Other reaction products were either N-diethylammonium tetrafluoroborate, or hydrogen, or both, depending on conditions. In the presence of sodium, disproportionation yielded diborane, resulting from a break of the B-N bond. Orig. art. has: 3 tables and 5 formulas. [JK]

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University); Institut fizicheskoy khimii Akademii nauk SSSR (Institute of Physical Chemistry, Academy of Sciences SSSR)

Card 2/3